

## **Institutional Distinctiveness**

### **Details of the performance of the institution in one area distinctive to its vision, priority and thrust**

The college endeavours to impart high quality, competency based technical education in Engineering and Technology to the younger generation with the required skills and abilities to face the challenging needs of the industry around the globe. This institution is also striving hard to attain a unique status in the international level by means of infrastructure, state-of-the-art computer facilities and techniques. As part of realizing this, the institute is focusing on improving ICT enabled teaching and learning process. Students experience the tablet-based learning as part of their educational process. This tablet is used for augmenting the effectiveness of teaching learning process. Teaching learning materials are shared with students through tablets. Different types of assessments are conducted in courses using tablets. Feedback on teaching is also collected using tablets. The tablets also enable automatic capturing and reporting of attendance of the students to the learning management system and portal. Active learning methods are practiced using tablets as well. In in-house developed Academic Management System is interfaced with the tablets and it maintains the details of staff members and students. It also enables the inclusion of courses, course mapping and registration, timetable maintenance, session details etc., Course attainments, exit survey and feedback by the students are collected and analyzed using this interface. The institution also ensures the provision of state-of-the-art hardware and software infrastructure required for the effective operation of ICT tools. The entire campus and all the learning environments are sufficiently equipped with resources for smooth operation of the system. The institution has enough computers, laptops, projectors, routers etc. It also has connectivity with enough bandwidth in the entire campus. All these provide access to students and faculty to not only the ICT enabled learning environment of the institution but access to global resources, content and knowledge repository. Students and faculty members are encouraged to learn through MOOC in SWAYAM, NPTEL and other online learning platforms as well. The labs and centers of excellence provide exposure to latest software available in the market and used by industry. Many CoEs set up jointly with industry provide direct exposure to the students and faculty to educational versions of many commercial software used in these industries. The institution has started data analytics on the various teaching learning initiatives as well gaining deeper insights into teaching learning process in the digital era. This will be further leveraged to enhance the teaching learning experience in the campus.